

NDSU Langdon Research Extension Center
2021 Variety Trial

Soybean - RR2X, RR2XF, Enlist E3, GT **Cavalier - Pembina County (page 1-2)**

Brand	Variety	Herb. Trait	Maturity Group ¹	Maturity date ²	Plant Height in	Protein %	Oil %	Yield		
								2021	2-yr Avg.	2-site Avg. ³
BioGene	BG8000	RR2X	00.9	9/6	26	32.0	17.3	49.5	52.7	54.5
BioGene	BG8006	RR2X	00.6	8/30	23	32.3	17.4	42.3	--	51.8
BioGene	BG9021E3	Enlist E3	0.2	9/13	23	32.3	16.1	44.8	--	53.6
Dahlman	1102E3N	Enlist E3	0.2	9/11	25	32.3	16.5	47.6	55.3	56.9
Dahlman	1201E3N	Enlist E3	0.1	9/12	23	32.6	16.3	44.7	--	54.6
Dyna-Gro	S009XF52	RR2XF	00.9	8/31	24	31.8	17.6	37.1	--	46.5
Dyna-Gro	S009XT68	RR2X	00.9	9/4	24	32.8	16.3	51.1	58.2	57.2
Dyna-Gro	S02EN71	Enlist E3	0.2	9/12	25	32.1	17.0	49.2	--	58.4
Golden H.	GH00833E3	Enlist E3	00.8	9/7	23	31.1	17.0	42.4	50.6	54.1
Golden H.	GH00982XF	RR2XF	00.9	9/5	23	32.8	16.7	44.1	--	53.6
Golden H.	GH0272XF	RR2XF	0.2	9/10	24	31.5	17.2	51.7	--	55.4
Innvictis	A00918X	RR2X	00.9	9/4	24	33.6	16.5	42.3	--	51.5
Innvictis	A00979X	RR2X	00.9	9/11	23	32.9	16.9	45.4	--	56.0
Integra	40089N	Enlist E3	00.8	9/6	24	32.0	17.2	43.1	52.7	54.0
Integra	50081N	RR2X	00.8	8/31	24	34.4	16.3	35.8	47.2	44.3
Legacy	LS-00639N RR2X	RR2X	00.6	8/31	24	31.6	17.2	37.6	47.9	48.5
Legacy	LS0094-21 XF	RR2XF	00.9	8/30	23	31.4	17.8	38.9	--	45.7
Legacy	LS-00930 RR2X	RR2X	00.9	9/10	21	32.5	16.8	50.3	55.0	56.8
Legacy	LS012-20E	Enlist E3	0.1	9/11	22	32.4	16.4	46.5	54.6	53.8
Legacy	LS012-21E	Enlist E3	0.1	9/14	22	32.3	17.1	50.7	--	58.7
Legacy	LS-0239N RR2X	RR2X	0.2	9/11	26	31.7	16.5	54.4	58.8	60.5
LG Seeds	LGS00663RX	RR2X	00.6	8/31	23	32.1	16.9	42.0	51.2	51.9
LG Seeds	LGS00838XF	RR2XF	00.8	9/5	24	32.3	17.1	40.5	--	49.2
LG Seeds	LGS0111RX	RR2X	0.1	9/11	26	32.7	16.5	49.3	53.6	58.3
NDSU	21ND008GT20	GT	00.8	9/3	24	32.5	17.1	41.1	--	50.3
NDSU	ND17009GT	GT	00.9	9/9	24	34.2	16.8	41.4	48.2	48.8
P3 Genetics	2002E	Enlist E3	0.2	9/13	20	32.9	16.3	45.2	--	53.1
P3 Genetics	2201E	Enlist E3	0.1	9/15	22	32.6	16.9	51.5	--	56.0
Peterson	19EN008	Enlist E3	00.8	9/7	24	31.0	17.4	45.7	52.9	56.8
Peterson	21X007	RR2X	00.7	8/30	26	30.5	17.4	41.7	50.6	55.2
Peterson	22XF009	RR2XF	00.9	9/1	26	32.0	17.0	41.4	--	48.0
Pioneer	P009T18E	Enlist E3	00.9	9/7	23	31.6	17.6	43.3	--	53.0
Pioneer	P00A49X	RR2X	0.0	9/7	26	32.8	16.9	46.1	51.7	54.3
Pioneer	P01T92E	Enlist E3	0.1	9/11	21	31.0	17.9	37.9	--	49.5
Pioneer	P03A17X	RR2X	0.2	9/12	24	31.2	17.7	48.9	53.1	--
Pioneer	P03A26X	RR2X	0.3	9/15	27	31.1	17.2	54.3	53.1	--
Pioneer	P03T87E	Enlist E3	0.3	9/14	20	31.2	16.6	43.3	--	--

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Brand	Variety	Herb. Trait	Maturity Group ¹	Maturity date ²	Plant Height	Protein %	Oil %	Yield		
								2021	2-yr Avg.	2-site Avg. ³
REA	R0112XF	RR2XF	0.1	9/11	28	32.7	17.0	47.6	--	58.0
REA	RX00912	RR2X	00.9	9/5	22	32.2	16.9	43.9	--	51.7
Stine	002EE06	Enlist E3	00.6	8/25	20	32.5	17.1	26.5	--	37.0
Stine	01EA63	Enlist E3	0.0	9/11	21	32.4	16.4	42.8	--	55.2
Stine	01EE03	Enlist E3	0.1	9/13	22	32.7	16.9	50.7	--	57.4
Stine	03EB02	Enlist E3	0.2	9/11	23	31.7	16.7	46.4	--	54.6
Syng NK	NK009-T1XF	RR2XF	00.9	9/5	23	31.9	17.3	46.3	--	54.8
Syng NK	S006-R7X	RR2X	00.6	8/29	22	31.8	17.9	43.1	--	52.1
Syng NK	S008-E3	Enlist E3	008	9/8	25	31.9	17.0	49.9	57.5	57.1
Thunder	SB8001	RR2X	0.1	9/11	22	34.3	16.6	48.2	54.8	55.0
Thunder	SB81006	RR2X	00.6	8/30	24	30.5	17.5	40.7	51.7	48.7
Thunder	SB87009	RR2X	00.9	9/5	24	33.2	16.0	46.2	51.8	54.2
Thunder	SB88007N	RR2X	00.7	9/1	24	31.8	17.3	42.5	47.8	51.4
Thunder	TE71008N	Enlist E3	00.8	9/8	24	31.3	17.0	48.2	55.2	55.0
Thunder	TX82008N	RR2XF	00.8	9/5	22	32.0	17.3	45.9	--	54.5
Trial Mean				9/7	23	32.2	17.0	44.8	--	--
C.V. %				1.3	6.7	2.0	2.0	7.4	--	--
LSD 5%				1.3	1.3	1.3	0.7	2.8	--	--
LSD 10%				1.1	1.1	1.1	0.6	2.4	--	--

¹Maturity Group provided by company

²Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

³A 2-site average of our northern region, Pembina County (Cavalier) and Cavalier County (Langdon).

Yield, oil and protein reported at 13% moisture.

Planting Date: May 14

Harvest Date: September 28

Previous Crop: Soybean

Soil Type: Fargo silty clay